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ANNUAL REPORT

ON THE

Sanitary Conditions of the District

AND

HOUSING REPORT

For the Year ended 31st December, 1940.

BY

JAMES E. WILSON, M.D., D.P.H.,

Medical Officer of Health.

Borough of Mansfield.

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MANSFIELD.

W. H. LEE & SONS, STOCKWELL GATE

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Health Committee.

(As at 31st December, 1940.)

Chairman :

COUNCILLOR I. E. PICKARD.

HIS WORSHIP THE MAYOR

(Councillor H. Baggaley).

Aldermen :

T. KNAPTON.

J. MARRIOTT.

Mrs. E. E. WAINWRIGHT, J.P.

Councillors :

C. DAVEY

C. HARRISON

F. P. HURT

Mrs. M. E. MARRIOTT

T. PEMBLETON

G. PRITCHARD

W. B. SPENCER

PUBLIC HEALTH STAFF.

Medical Officer of Health	J. E. Wilson, M.D., D.P.H.
Assistant Medical Officer	Miss I. Caley, M.A., B.Chir., D.P.H.
Senior Sanitary Inspector	Bernard Allman, Cert. R.S.I., Cert. in Meat Inspection.
Assistant Inspectors	H. N. Eardley, Cert. R.S.I., Cert, in Meat Inspection. Commenced duty 1st May, 1939.
	G. Spencer, Cert. R.S.I., Cert .in Meat Inspection. Commenced duty 1st May, 1939.
Senior Health Visitor	Miss H. A. Hunt, General Training, C.M.B. Cert.
Health Visitors	Miss E. E. Wilden, General Training C.M.B. and Health Visitors Cert.
	Miss E. M. Williams, General Training C.M.B. and Health Visitors Cert.
Municipal Midwives (8) Commenced duties 1st August, 1937.	Miss A. Berridge, General Training, C.M.B. Cert.
	Miss D. Brown, General Training, C.M.B. Cert.
	Mrs. J. Calver, General Training, C.M.B. Cert.
	Mrs. C. Hackett, C.M.B. Cert.
	Mrs. M. L. Saxton, C.M.B. Cert.
	Miss A. Thorpe, General Training, C.M.B. Cert.
	Miss E. A. Ward, General Training, C.M.B. Cert.
	Mrs. D. A. Brockley, General Training, C.M.B. Cert. Commenced duty 7th October, 1939.

Chief Clerk and Bacteriological Assistant	E. V. HARDWICK.
Clerks	MISS M. L. BETTISON, in connection with Maternity & Child Welfare work MISS DOROTHY MALTBY.
Disinfector	GEORGE PLOUGHMAN.
Ambulance Driver	ARTHUR BOOTH. Retired Sept., 1940. GEORGE HARRIS. commenced duty 23rd September, 1940.
Public Analyst .... (Food & Drugs Act, 1938)	MR. W. W. TAYLOR, B.Sc., F.I.C. (part-time).

Public Health Department,
Gilcroft Chambers,
Mansfield.

Mr. Chairman, Ladies and Gentlemen,

I beg to present my Annual Health Report covering the period of the year 1940—the first complete year spent under the shadow of the War cloud.

This war has increased the normal load of responsibility and introduced many new activities within the ambit of the Health Services.

Population has been subject to much fluctuation owing to evacuation from outside areas.

At no time is it so vital to safeguard the health of the community.

We have been fortunate in being able to retain the services of the complete Health Staff—all of whom have worked well during an arduous year.

I must again acknowledge your kind help and support.

Your obedient Servant,

JAMES E. WILSON.

STATISTICAL SUMMARY.

1.—General Statistics.

Area in acres	7,009
Population (Census 1931)	46,068
Estimated Population (1940)	48,170
Number of Inhabited houses (end of year 1940)	14,225
Rateable Value	£304,637
Sum represented by a penny rate	£1,184

2.—Extracts from Vital Statistics—Births and Deaths.

BIRTHS.

	Males.	Females.	Total.
Legitimate	387	331	718
Illegitimate	14	13	27
Totals	401	344	745

Birth-rate 15.4 per 1,000 population.

STILLBIRTHS.

	Males.	Females.	Total.
Legitimate	16	13	29
Illegitimate	1	—	1
Totals	17	13	30

Rate per 1,000 (live & still) births 38.7.

DEATHS.

	Males.	Females.	Total.
Deaths	314	287	601

Death-rate 12.4 per 1,000 population.

INFANT DEATHS.

	Males.	Females.	Total.
Legitimate	25	15	40
Illegitimate	1	—	1
Totals	26	15	41

Infantile Mortality Rate 53.8 per 1,000 live births.

Legitimate Infantile Mortality Rate per 1,000 legitimate live births—54.3

Illegitimate Infantile Mortality Rate per 1,000 illegitimate live births—37.0

DEATHS FROM PUERPERAL CAUSES.

	Deaths.	Rate per 1,000 total (live & still) births.
(a) From Puerperal Sepsis	—	0.00
(b) From other Puerperal causes	1	1.26

DEATHS FROM SPECIFIED CAUSES.

(a) From Measles (all ages)	—
(b) From Whooping Cough (all ages)	1
(c) From Diarrhoea (under 2 years)	4

NOTES ON VITAL STATISTICS.

The " Natural Increase " that is to say, the excess of Births over Deaths amounted to 144.

The Infantile Mortality-rate, Birth-rate and Death-rate compare very favourably with those of England and Wales.

	England & Wales.	Mansfield.
Birth-rate....	14.6	15.4
Death-rate	14.3	12.4
Infantile Mortality	55.0	53.8

In connection with these Statistics, Tables I and V. should be read.

Cancer Deaths.

In 1939, 68 deaths occurred from this disease. This year the mortality figure is 57.

Arranged in decennial periods, these deaths occurred as below :-

Under 40 years	....	....	—
40 to 50 years	....	....	7
50 to 60 years....	....	....	14
60 to 70 years....	....	....	19
70 to 80 years....	....	....	16
Over 80 years....	....	....	1

Age and sex incidence, together with the part affected will be found in the following Table :—

CANCER DEATHS.

AGE	Males	Females	Stomach	Bowels	Rectum	Peritoneum	Liver	Pancreas	Lungs	Larynx	Lip	Tongue	Breast	Uterus	Ovaries	Genitals	Prostate	Scalp		
42	1		1																	
44		1													1					
47	2				1				1											
48	1				1															
49		1												1						
50	1			1																
51		4		1									3							
52	2		2																	
53	1		1																	
54		1											1							
55		1						1												
57	1		1																	
58		1	1																	
59	2	1		1					1					1						
61	1	1		1													1			
62	2		1	1																
63	1	1	1				1													
64		2	1	1																
65	3	1	1	1	1	1														
66	1		1																	
67	2	1		1	1		1													
68		1			1															
69	1	1									1			1						
70	2				2															
71	2	1	1						1						1					
72		1	1																	
73	1											1								
74	1			1																
75	2											1					1			
76	3		1	1														1		
77	1	2			1					1						1				
85		1			1															
	34	23	14	10	9	1	2	1	3	1	1	2	4	3	2	1	2	1		

Analysis of the site of the disease shows that the largest incidence occurred in the stomach. The occupations of fatal cases are shown in the following Table :—

Males.		Females.	
Coal Miners	10	Housewives	12
Clerks	4	Widows	8
General Labourers	2	Spinsters	3
Travellers	2		—
Colliery Banksman	1		23
Linotype Operator	1		
Tailor	1		
Carter	1		
Timber Yard Fireman	1		
Carpenter	1		
Hosiery Manufacturer	1		
Iron Moulder	1		
Engine Driver	1		
Builder and Contractor	1		
Colliery Lampman (retired)	1		
Shop Assistant (retired)	1		
Electrician	1		
Bricklayer (retired)	1		
Engineman	1		
Grocer	1		
	34		

General Provision of Health Services in the Area.

These have been described in my Annual Report for the year 1938.

Midwives Acts, (1902-1936).

The number of Midwives practising in the Borough as at 31st December, 1940, was :—

Municipal Midwives	8
Resident in Borough Institutions	4
In private practice	5
Total	17

Notices Received during the Year 1940 :—

Forms of sending for Medical Aid	165
Notification of :—	
Still-births	8
Death of Infant	7
Artificial Feeding	17
Liability to be a source of infection	2

In 1940 the number of claims submitted by medical practitioners on Medical Aid forms was 136, amounting to the sum of £218 18s. 0d.

During the year ended 31st December, 1940, the sum of £689 16s. 0d. was received by the Municipal Midwives and paid to the Borough Treasurer.

Housing Statistics for the Year 1940.

1.—Inspection of Dwelling-houses during the year.

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	1943
(b) Number of inspections made for the purpose	8020
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932 ..	86
(b) Number of inspections made for the purpose	86
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	Nil
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	1332

2.—Remedy of Defects during the year without Service of Formal Notices :—

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	1313

3.—Action under Statutory Powers during the Year :—

(a) Proceedings under Sections 9, 10, and 16 of the Housing Act, 1936 :—	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs	46
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By owners	34
(b) By local authority in default of owners	Nil

(b) Proceedings under Public Health Acts :—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 97

(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—

(a) By owners 90

(b) By local authority in default of owners .... Nil

(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936 : –

(1) Number of dwelling-houses in respect of which Demolition Orders were made .... Nil

(2) Number of dwelling-houses demolished in pursuance of Demolition Orders .... Nil

(d) Proceedings under Section 12 of the Housing Act, 1936 :—

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made .... Nil

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit .... Nil

4.—Housing Act, 1936. Part IV.—Overcrowding.

(a) (1) Number of dwellings overcrowded at the end of the year 21

(2) Number of families dwelling therein 21

(3) Number of persons dwelling therein.... 162

(b) Number of new cases of overcrowding reported during the year 2

(c) (1) Number of cases of overcrowding relieved during the year 4

(2) Number of persons concerned in such cases.... 30

(d) Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding.... .... Nil

(e) Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report .... Nil

The following houses have been built during the year :—

By Local Authority	4
By Private Enterprise	73
	77

Factories Act 1937.

Total number of Factories on the Register 171

Inspections made in Factories 102

Eight notices referring to contraventions were received from H.M. Inspector during the year and in each case suitable action was taken.

The following table gives the sanitary defects found in factories:

Particulars.	Number of Defects.			Number of Offences in respect of which Prosecutions were instituted.
	Found	Remedied	Referred to H.M. Inspector	
Want of Cleanliness (S.1)	19	17	—	—
Overcrowding .... .. (S.2) ...	—	—	—	—
Unreasonable Temperature (S.3) ...	—	—	—	—
Inadequate Ventilation (S.4)	—	—	—	—
Ineffective drainage of floors (S.6)	1	1	—	—
Sanitary Conveniences (S.7)—				
Insufficient	6	7	—	—
Unsuitable or defective	4	4	—	—
Not separate for sexes	—	—	—	—
Other Offences	5	5	—	—
Totals	35	34	—	—

Report of Chief Sanitary Inspector.

To the Medical Officer of Health.

Dear Sir,

I have pleasure in submitting to you my twenty-fifth Annual Report.

Summary of Work Done.

	Number of Defects, etc., remedied on :— Informal Notices	Statutory Notices
Drains amended, repaired or re-constructed	96	8
Drains, w.c's. and gullies cleansed	279	2
Fall pipes and eaves spouts cleansed or repaired	1065	23
W.C's. and privies repaired	375	30
Additional w.c's. provided	7	—
Privies converted into w.c's.	—	—
Pail closets converted into w.c's.	—	—
Dry dustbins provided	329	24
Dry dustbins provided in lieu of ashpits abolished	—	—
Dilapidations repaired (including roofs, ceilings, walls and floors)	960	31
Yards, passages or pavements repaired	106	21
Defective light and ventilation....	139	1
Dirty premises limewashed and cleansed	52	2
Overcrowdings of dwelling abated	4	—
Nuisances abated from keeping animals and fowls	5	—
Smoke nuisances abated	4	—
Manure and refuse removed	18	2
Miscellaneous	61	2
Total of defects remedied or nuisances abated	3500	146

Milk Supply.

The number of milch cows kept in the Borough remains approximately the same as last year, as will be seen by the following Table :—

	1939	1940
Number of cowsheds in use in the Borough	34	34
,, milch cows in the Borough	200	190
,, milk purveyors	38	49
,, milk wholesalers and producers	28	20

Milk & Dairies Order, 1926.

During the year 405 inspections were made.

Milk (Special Designations) Orders, 1936-1938.

There are four milk pasteurising plants in the Borough.

Twenty-three samples of designated milks were submitted to the Public Analyst, the results of which are indicated in the following table :—

Designation.	Satisfied Test	Did not Satisfy Test	Total
Pasteurised	12	5	17
Accredited	3	2	5
Tuberculin Tested	1	—	1
Total	16	7	23

Sanitary Inspector's Visits during the Year ending 31st December, 1939.

General Sanitation.	No. of Visits.
Water Supply	—
Drainage	1426
Stables and Piggeries	51
Offensive Trades	15
Fried Fish Shops	137
Common Lodging Houses	—
Houses Let-in-Lodgings	—
Tents, Vans and Sheds	8
Factories	37
Workplaces	—
Outworkers	—
Bakehouses	65
Public Conveniences	6
Theatres and Places of Entertainment	—
Refuse Collection and Disposal	911
Rats and Mice	98
Smoke observations	24
Schools	12
Shops	42
Miscellaneous Sanitary Visits	108

Housing.	
Under Public Health Acts :—	
Number of Houses inspected	1857
Visits paid to above houses	6959
Under Housing Acts :—	
Number of houses inspected	86
Visits paid to above houses	1061
Overcrowding :—	
Number of houses inspected	15
Visits paid to above houses	15
Verminous Premises :—	
Number of houses inspected	68
Visits paid to above houses	133
Miscellaneous housing visits	525

Infectious Diseases.	
Inquiries in cases of infectious disease	146
Visits re Disinfection....	22
Miscellaneous Infectious Disease visits	9
Meat and Food Inspection.	
Visits to Slaughterhouses	1685
Visits to Shops and Stalls	1362
Visits to other premises	12
Visits to :—	
Butchers	404
Fishmongers and Poulterers	112
Grocers	57
Greengrocers and Fruiterers....	109
Cowsheds	179
Dairies and Milkshops	226
Ice-Cream Premises	21
Restaurants	17
Street Vendors' and Hawkers' Carts	11
Milk—Bacteriological....	23
Notices Served.	
Number of informal notices served	2615
Number of informal notices complied with	2457
Number of Statutory Notices served	140
Number of Statutory Notices complied with	129

Food Inspection.

As a result of the introduction of centralised slaughtering, the total number of animals slaughtered in the Borough has greatly increased, as will be seen from the following table :—

	1939	1940
Beasts	3133	5821
Sheep....	10691	31589
Pigs	5008	5992
Calves	137	594
Totals	18969	43996

The following statement gives details of meat and other foods surrendered during the year.

Carcases.

No. of Carcases.	Disease.	Weight Tons	cwts.	lbs.
54 Cows	Tuberculosis	13	12	103
15 Heifers	do.	3	9	25
9 Bullocks	do.	2	3	72
2 Cows	Fevered and Dropsical		8	25
2 Cows	Fevered & Medicine taint		8	97
2 Cows	Septicaemia		10	83
2 Heifers	Fevered and Dropsical		7	16
26 Pigs	Tuberculosis	1	5	26
40 Pigs	Swine Fever	1	3	10
13 Pigs	Fevered and Dropsical		5	7
2 Pigs	Multiple Abscesses		1	45
28 Sheep	Fevered, Dropsical or Moribund		12	58
2 Sheep	Septicaemia		1	14
1 Sheep	Emaciation			30
1 Sheep	Pyaemia			57
6 Calves	Immature and Fevered		2	26

Parts of Carcases, Edible Organs and Other Foods :—

Beef	Tuberculosis or Bruising	5	1	0
Pork	Tuberculosis or Injury		2	102
Mutton	Injury and Abscesses			103
Beasts' and Pigs' Heads	Tuberculosis & Actinomycosis	13	13	18
Edible Organs	Various Diseases	17	17	49
Poultry	Unsound			98
Canned Foods	do.		11	31
Wet Fish	do.		6	103
Bacon	do.		18	79
Butter	do.			18
Rabbits	do.		4	106
Fruit	do.		13	69
Vegetables	do.		11	0
Prepared Foods	do.		3	111
Eggs	do.		3	24
Sugar	do.		2	36
Total weight surrendered		65	4	73

CARCASES INSPECTED AND CONDEMNED :—

	Cattle (excluding Cows).	Cows	Calves	Sheep	Pigs
No. Slaughtered	4232	1589	594	31589	5992
No. Inspected	4232	1589	594	31589	5992
All Diseases except T.B.					
Whole carcases condemned	2	6	6	32	55
Carcases of which some part or organ was condemned	791	253	7	401	145
Percentage affected with diseases other than T.B.	18.74	16.42	2.19	1.37	3.34
T.B. Only					
Whole carcases	24	54	—	—	26
Carcases of which some part or organ was condemned	702	721	2	—	515
Percentage affected with T.B.	17.15	48.77	0.33	—	9.03

Food & Drugs Act, 1938.

Details of all samples taken during the year :—

Article	Number Genuine			Number Adulterated		
	Formal	Informal	Total	Formal	Informal	Total
Milk	87	....	87	11	....	11
Milk (separated)	1	....	1	....	....	....
Cream	1	....	1	....	....	....
Vinegar	1	....	1	....	....	....
Margarine	1	....	1	....	....	....
Cheese	1	....	1	....	....	....
Lard	1	....	1	1	....	1
Coffee and Chicory	1	....	1	....	....	....
Pepper	1	....	1	....	....	....
Mustard....	....	1	1	....	....	....
Glauber Salts	....	1	1	....	....	....
Arrowroot	....	1	1	....	....	....
Cocoa	....	2	2	....	....	....
Tea	....	1	1	....	....	....
Milk (Condensed skimmed)	....	1	1	....	....	....
Ground Rice	....	1	1	....	....	....
Pearl Barley	....	1	1	....	....	....
Blackcurrant Jam	....	1	1	....	....	....
Honey	....	1	1	....	....	....
Strawberry Jam with Honey	....	1	1	....	....	....
Oatmeal....	....	1	1	....	....	....
Cornflower	....	1	1	....	....	....
Powdered Nutmeg	....	1	1	....	....	....
Tartaric Acid	....	1	1	....	....	....
Seidlitz Powder	....	1	1	....	....	....
Liquorice Powder	....	1	1	....	....	....
Camphorated Oil	....	1	1	....	....	....
Olive Oil	....	1	1	....	....	....
Sausage (Beef)	1	....	1	....	....	....
Dried Mint	....	1	1	....	....	....
Dried Sage	....	1	1	....	....	....
Chicken, Ham & Tongue Roll	....	1	1	....	....	....
Saccharine Tablets	....	1	1	....	....	....
Totals....	96	24	120	12	....	12

DETAILS OF ADULTERATED SAMPLES.

Serial No.	Article.	Report of Analyst.	Action Taken.
2	Milk	Deficient in fat 5%	Warning letter to Retailer.
5	Milk	Deficient in fat 16%	Warning letter to Retailer.
11	Milk	Deficient in fat 13%	Warning letter to Retailer.
13	Milk	Deficient in fat 17%	Legal proceedings— Fined £2 & £1 1s. costs.
18	Milk	Deficient in solids not fat 6%. Deficient in fat 1.66%	Warning letter to Retailer
20	Milk	Deficient in fat 4%	Warning letter to Retailer
21	Milk	Deficient in fat 12%	Legal Proceedings— Fined £1 & 10/6 costs.
53	Milk	Deficient in fat 44%	Legal Proceedings— Fined £1 & 10/6 costs.
59	Milk	Deficient in fat 20%	Legal Proceedings— Fined £2 & 10/6 costs.
67	Milk	Deficient in fat 16%	Legal Proceedings. Case dismissed.
78	Milk	Deficient in fat 28%	Legal Proceedings. Fined £1 & 10/6 costs.
60	Lard	Foreign fats other than Lard 100%	Legal Proceedings. Fined £4 0s. 0d.

Yours faithfully

BERNARD ALLMAN.

Tuberculosis.

Particulars of new cases and deaths from this disease in the Borough will be found below :—

Age Periods in years	New Cases.				Deaths.			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M	F	M	F	M	F	M	F
0-1	—	—	—	—	—	—	—	—
1-5	—	—	—	—	—	—	—	1
5-15	2	1	—	—	—	—	—	—
15-25	4	9	1	1	2	4	—	1
25-35	4	2	1	—	1	3	—	2
35-45	1	2	1	—	2	—	—	1
45-55	1	—	1	—	2	3	—	—
55-65	1	—	—	—	1	—	—	—
65 and over	—	—	—	—	—	—	—	—
Totals	13	14	4	1	8	10	—	5

The occupation of persons dying from Tuberculosis is as follows :—

Coal Miners	4	Housewives	8
Stone Mason	1	Widow	1
Carter	1	Carder, Cotton Mill	1
Bus Driver	1	Seamstress	1
Colliery Fitter	1	Hosiery Hand	1
		Shoe Factory Worker	1
		Tin Box Factory Worker	1
		Infant	1

87% of cases dying from Tuberculosis had previously been notified.

Means of Prevention of Infectious Diseases.

FOREST HOSPITAL REPORT.

The most important factor in the control of Infectious Disease is the Isolation Hospital. Our most potent weapons against the spread of Diphtheria are careful swabbing and examination of all suspicious sore throats and all contacts of actual cases, together with isolation of persons affected.

How our Hospital has met these requirements will be seen from the following Table :—

Years.	Population.	SCARLET FEVER.				DIPHTHERIA.				Total No. of patients treated.	Patient days.	Patients in Hospital: Daily Average.
		Total No. of cases notified.	Attack rate per 1000 population.	No. of cases admitted to Hospital.	Per Cent of total notifications.	Cases notified.	Attack rate per 1000 Population	Admission to Hospital.	Per Cent of Notifications.			
1923	46,850	106	2 2	96	90.6	43	0·9	39	90 7	158	7122	19·5
1924	47,680	139	2 9	128	92·1	56	1·1	51	91 0	214	8675	23 7
1925	47,000	101	2 1	96	95 0	31	0 6	28	90 3	134	5211	14·2
1926	47,270	62	1·3	57	91·9	18	0 3	18	100·0	101	3954	10 3
1927	48,140	65	1·3	64	98 4	19	0·4	19	100·0	99	4173	11·5
1928	47,550	44	0·9	42	95·4	20	0·4	18	90·0	75	3465	9.7
1929	47,130	163	3 4	157	96 3	42	0·8	41	97·6	212	9290	25.4
1930	47,130	169	3·5	163	96 4	34	0 7	34	100 0	223	8157	22.1
1931	46,290	93	2·0	90	96·7	23	0·4	22	95·6	154	6984	19·8
1932	46,180	106	2·2	102	96 2	51	1·1	51	100 0	182	7135	19·5
1933	46,100	144	3·1	134	93·0	128	2·7	126	98·4	182	0173	27·8
1934	46,200	237	5 1	224	94·5	45	0·9	44	97·7	296	11960	32·7
1935	46,620	91	1 9	88	96 7	50	1 0	47	94 0	160	17116	19·5
1936	46,930	90	1·9	88	97·7	32	0 6	32	100·0	142	6837	18·7
1937	47,080	97	2.06	92	94 8	74	1.57	72	97.3	177	8591	23.5
1938	47,420	226	4·7	217	96·0	134	2·8	126	94 0	392	3490	37·0
1939	47,940	125	2 6	116	92·0	54	1·1	53	98·1	185	18021	22·3
1940	48,170	84	1·7	83	98·8	84	1·7	82	97·6	234	8623	23·6

This Table refers to Mansfield cases only.

In addition 41 cases were treated at the request of outside Authorities.

A complete tabulation of the work of the Hospital will be found below :—

	In Hospital 1st Jan., 1940	Admissions	Discharged	Died	Remaining in Hospital 31st Dec., 1940
Scarlet Fever	18	98	106	1	9
Diphtheria	—	106	92	—	14
Enteric Fever	—	4	3	—	—
Rubella	—	5	5	—	—
Chickenpox	—	1	1	—	—
Erysipelas	—	1	1	—	—
Cerebro-Spinal Fever	—	11	8	3	—
For diagnosis	—	8	7	1	—
Totals	18	234	223	6	23

Average Stay in Hospital.

Scarlet Fever cases .. .. 32 days.
Diphtheria cases ... . 38 days.

Cost of Food.

The total food bills for the year amounted to £852 4s. 8d

Total Patient Days	8645
Total Staff Days	8000
Total	16645

The daily average cost of food for patients and staff amounted to 12.3d.

Deaths in Hospital.

Six deaths occurred, 3 being Cerebro-spinal Fever cases, one from Scarlet Fever, one Enteric Fever and one admitted to hospital for diagnosis. This latter case had been admitted as a doubtful case of diphtheria but proved to be broncho-pneumonia following whooping-cough which was the cause of death.

Bacteriological Laboratory.

The following table shows the work carried out in the Laboratory of the Public Health Department :—

Mansfield cases :	Positive.	Negative.	Total.
Diphtheria	210	1166	1376
T.B. Sputum, &c.	12	71	83
Ringworm....	1	3	4
Cerebro-Spinal Fever	2	3	5
Gonorrhoea	1	9	10
Miscellaneous	1	6	7
Total ..	227	1258	1485

Outside cases were investigated as follows :—

	Positive	Negative	Total
Diphtheria	145	1001	1146
T.B. Sputum &c.	3	5	8
Ringworm....	1	1	2
Gonorrhoea	—	7	7
Miscellaneous	—	1	1
Total	149	1015	1164

Maternity and Child Welfare.

The general scheme was dealt with in detail in my previous Reports.

Births and Deaths.

Birth-rate, Stillbirth-rate and Infantile Death rates will be found in the " Vital Statistics " in an earlier portion of this Report.

Attendances at Centres.

	Persons Attending.	Number of Attendances.
St. John Street Centre (103 sessions)	2114	12650
Ante-Natal Clinic (52 sessions)	355	907
Ultra Violet Ray (103 sessions)	76	1325
Pleasley Hill Centre (49 sessions)	202	2110

The total number of mothers and children attending the Centres during the year was 3,811, these made a total of 24,273 attendances.

Attendance at Mid-day Dinner at St. John Street Centre.

Mothers attending.	Dinners for Mothers.	Dinners for Children.	Total.
46	1735	585	2320

Health Visitor's Visits.

Visits paid by the Health Visitors during the year were :—

Visits to Infants	2608
,, Children one to five years	3794
,, Expectant Mothers	261
,, Special Cases (Measles, Whooping Cough, etc.)	63
Investigation of stillbirths	27
Investigation of Infant deaths	37
Visits to cases of Ophthalmia Neonatorum	2
Miscellaneous Visits	179
Special Nursing Cases	25
Total	6996

Eye Cases.

Thirty-five cases were referred to Mr. Reid for examination and necessary treatment.

Ophthalmia Neonatorum.

Three cases of this disease were notified during the year. One child was born in the County Institution and returned to its home at Warsop. Two were local residents—both cured.

Throat Conditions—Deafness.

Twenty-seven cases were submitted to the specialist, and of these 18 were found to require operation. Fourteen of these operations were carried out during the year.

Maternity Bed.

Fifty-five cases were admitted to the bed retained for the use of complicated cases of pregnancy at the Mansfield and District General Hospital.

Cost of treatment of these cases amounted to £606 15s. 0d. These cases are treated at a cost of £3 3s. 0d. per week.

In addition, 19 cases were admitted to the Peel Street Hospital for Women, Nottingham, at a cost of £269 16s. 11d.

Free Food.

The following foods and nutritive preparations have been issued free of cost in necessitous cases through the Welfare Centres :-

		£	s.	d.
Dried Milk preparations	to the value of....	341	18	4
Virol	do.	7	10	6
Cod Liver Oil	do.	8	16	3
Halibut Liver Oil	do.	1	10	0

Supply of Pasteurised Milk.

This is given in the case of expectant and nursing mothers unable to attend for dinners.

During the year 44 expectant and nursing mothers were on this free-milk list. The value of milk supplied was £47 6s. 8d.

The M. & C.W. Milk Scheme was superseded by the National Milk Scheme after July, 1940.

Maternity and Child Welfare Dental Scheme, 1940.

During the year under review, 38 Expectant Mothers, 10 Nursing Mothers and 46 Children received treatment.

	Total.	Adults.	Children.
Extractions numbered	389	259	130
Fillings numbered	7	7	Nil
Other Operations (Scaling, Gum Treatment, etc.)	53	52	1
Number of Local Anaesthetics	323	193	130
Number of General Anaesthetics	9	9	Nil

Attendances for Treatment.

	Expectant Mothers.	Nursing Mothers.	Children.
Number attending	38	10	46
Number of attendances....	106	19	61

Provision of Dentures.

During the year 8 Upper and 8 Lower Dentures were supplied. Of these, five were supplied free of all cost to the patient.

The expenditure incurred by the Committee in respect of this particular part of the scheme was £7 14s. 11d.

Light Clinic Report.

The following Table gives the conditions treated, together with the results of treatment :—

	Number of Cases	Cured or much improved	Stationary	No beneficial effect
Rickets	46	40	1	4
Debility	10	9	—	1
Malnutrition....	9	9	—	—
Bronchitis	6	3	—	3
Anaemia	5	4	—	1

TABLE 1.

Vital Statistics of Whole District during 1940 and previous years.

Year	Population estimated to middle of each Year.	Births.			Total Deaths Registered in the District.		Net Deaths belonging to the District.			
		Un-corrected number	Net				At all ages		Under 1 year of age.	
			Number	Rate	Number	Rate	Number	Rate	Number	Rate per 1000 Net Births
1929	47,130	690	736	15·6	699	14·8	499	10·5	59	80·1
1930	47,130	800	774	16 4	600	12·7	444	9.4	52	67·1
1931	47,290	735	706	15.2	685	14 8	530	11.4	64	90·6
1932	46,180	698	692	14·9	611	13·2	468	10·1	49	70·8
1933	46,100	723	672	14.5	705	15.0	500	10·8	48	71·4
1934	46,200	749	724	15.6	616	13 3	452	9·7	47	64 9
1935	46,620	705	670	14.3	688	14·7	468	10·0	46	68 6
1936	46,930	732	688	14.6	660	14 0	460	9.8	39	56.6
1937	47,080	744	684	14·5	684	14 5	444	9.4	56	81.8
1938	47,420	801	706	14·9	700	14 7	471	9·9	22	31 1
1939	47,760	918	737	15·4	826	17.2	545	11·3	46	58 6
1940	48,170	878	745	15·4	924	19·1	601	12·4	41	53 8

TABLE II

Cases of Infectious Disease Notified during the year 1940

Notifiable Disease.	Number of Cases Notified													Total cases notified in each locality.				Deaths.	Total cases removed to Hospital.
	At all Ages.	At Ages Years.												North Ward including Pleasley Hill	Pleasley Hill alone.	South Ward	East Ward		
		Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 and over						
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhoid Fever	3	...	...	...	...	...	...	...	2	1	...	..	...	1	...	1	1	...	3
Scarlet Fever	84	...	1	5	5	12	31	15	6	8	1	...	...	28	2	22	34	1	83
Diphtheria	84	2	1	2	2	6	30	14	13	10	4	....	...	24	..	30	30	2	82
Erysipelas	12	...	...	...	...	...	...	...	...	2	1	8	1	3	...	6	3	...	4
Cerebro-spinal Meningitis	14	1	...	..	...	...	2	1	3	4	...	3	...	5	...	4	5	4	14
Pneumonia	38	...	...	....	...	...	2	..	2	8	6	14	6	12	...	13	13		...
Dysentery	9	...	...	1	1	1	6	...	...	...	...	...	...	...	...	....	9	..	9
Acute Poliomyelitis	1	...	...	...	...	...	...	.	1	..	...	...	...	...	...	1	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....	...	...	.	..
Puerperal Pyrexia	8	...	...	...	...	...	...	...	1	6	1	...	...	3	...	2	3	...	8
Ophthalmia Neonatorum	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...
Measles	563	16	36	54	57	92	266	27	9	5	1	..	...	188	...	163	212	..	5
Whooping-cough	17	1	...	2	2	2	10	...	...	..	..	..	..	3	..	7	7	..	...
Totals	836	23	38	64	67	113	347	57	37	44	14	25	7	268	2	249	319	7	208

TABLE III.—CAUSES OF DEATH.

	Causes of Death.	All Ages. Males.	All Ages. Females.
	All Causes	314	287
1	Typhoid & Paratyphoid Fevers	—	—
2	Cerebro-spinal Fever	2	2
3	Scarlet Fever	1	—
4	Whooping Cough	—	1
5	Diphtheria	1	1
6	Tuberculosis of Respiratory System	8	10
7	Other Tuberculous Diseases	—	5
8	Syphilitic diseases	1	—
9	Influenza	8	13
10	Measles	—	—
11	Cancer of b. cav. & oesoph (M), uterus (F)	3	4
12	Cancer of stomach and duodenum	8	3
13	Cancer of breast	—	4
14	Cancer of all other sites	23	12
15	Diabetes	2	7
16	Cerebral Haemorrhage, &c.	14	22
17	Heart Disease	108	83
18	Other Circulatory Diseases....	1	2
19	Bronchitis	24	24
20	Pneumonia (all forms)	19	19
21	Other Respiratory Diseases	3	7
22	Ulcer of stomach or duodenum	4	4
23	Diarrhoea, &c., under 2 years	4	—
24	Appendicitis	2	2
25	Other Digestive diseases	6	6
26	Acute & Chronic Nephritis	4	3
27	Puerperal & post-abort. Sepsis	—	—
28	Other maternal causes	—	1
29	Premature Birth	8	6
30	Con. mal., birth injury, infant dis.	7	3
31	Suicide	5	—
32	Road Traffic accidents	6	—
33	Other Violence	13	8
34	All other causes	29	35

TABLE IV.—INFANTILE MORTALITY DURING THE YEAR 1940.

Net Deaths from stated causes at various Ages under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under One month	1-3 Months	3-6 Months	6-9 Months	9-12 months	Total Deaths under 1 year.
All Causes — Certified	17	2		1	20	5	3	5	5	38
All Causes — Uncertified	1			1	2		1			3
1 Measles	....	....	....	....	....	....	....			....
2 Whooping-cough	....	....	....	....	....	....			....	....
3 Diphtheria	....	....	....	....	....	....	....	....	....	....
4 Scarlet Fever	....	....	....	....	....	....	....	....	....	....
5 Influenza	....	....	....	....		....	....	....	....	....
6 Cerebro-spinal Fever	....	....	....	....	....	....	....	1	....	1
7 Tuberculous Meningitis	....	....	....	....	....	....	....	....	....	....
8 Tuberculosis, Intestinal	....	....	....	....	....	....	....	....	....	....
9 Other Tuberculous Diseases	....	....	....	....	....	....	....	....	....	....
10 Syphilis	....	....	....	....	....	....	....	....	....	....
11 Rickets	....	....	....	....	....	....	....	....	....	....
12 Meningitis (not Tuberculous)	....	....	....	....	....	....	....	....	....	....
13 Convulsions	2	....	....	1	3	....	....	1	....	4
14 Bronchitis	....	....	....	....	....	....	1	....	1	2
15 Pneumonia (all forms)	....	....	....	....	....	4	3	1	2	10
16 Other Respiratory Diseases	1	....	....	....	1	....	....	....	....	1
17 Gastritis	....	....	....	....	....	....	....	....	....	....
18 Diarrhoea	....	....	....	....	....	....	....	2	....	2
19 Hernia, Intestinal Obstruction)	....	....	....	....	....	....	....	....	....	....
20 Malformation	2	1	....	....	3	....	....	....	....	3
21 Debility, Sclerema	1	....	....	1	2	1	....	....	....	3
22 Icterua	....	....	....	....	....	....	....	....	....	....
23 Premature Birth	11	1	....	....	12	....	....	....	....	12
24 Injury at Birth	....	....	....	....	....	....	....	....	....	....
25 Disease of Umbilicus	....	....	....	....	....	....	....	....	....	....
26 Atelectasis	....	....	....	....	....	....	....	....	....	....
27 Lack of care	....	....	....	....	....	....	....	....	....	....
28 Suffocation (in bed)	....	....	....	....	....	....	....	....	....	....
29 Other Violence	....	....	....	....	....	....	....	....	1	1
30 Other Causes	1	....	....	....	1	....	....	....	1	2

TABLE V.

Birth-rates, Death-rates, Analysis of Mortality, Maternal Death-rates, and Case-rates for certain Infectious Diseases in the year 1940.—England and Wales, London, 126 Great Towns, 148 Smaller Towns and Mansfield.

(Provisional Figures based on Weekly and Quarterly Returns.)

	Mansfield	England and Wales	126 County Boro's. and Great Towns including London	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census)	London Administrative County
	Rates per 1,000 Population.				
Births :—					
Live	15.4	14.6	16.0	15.7	13.7
Still	0.62	0.55	0.64	0.55	0.44
Deaths :—All Causes	12.4	14.3	15.8	12.8	17.8
Typhoid and Paratyphoid fevers	0.00	0.00	0.00	0.00	0.00
Scarlet fever	0.02	0.00	0.00	0.00	0.00
Whooping Cough	0.02	0.02	0.02	0.02	0.00
Diphtheria	0.04	0.06	0.07	0.05	0.01
Influenza	0.43	0.32	0.29	0.30	0.18
Smallpox	0.00	0.00	0.00	0.00	0.00
Measles	0.00	0.02	0.02	0.02	0.01
Notifications :—					
Enteric fever	0.06	0.07	0.06	0.10	0.06
Cerebro-spinal fever	0.29	0.32	0.33	0.29	1.28
Scarlet Fever	1.74	1.63	1.53	1.57	0.82
Whooping Cough	0.35	1.34	1.29	1.35	0.22
Diphtheria	1.74	1.16	1.29	1.21	0.61
Erysipelas	0.24	0.33	0.36	0.30	0.35
Smallpox	0.00	0.00	0.00	0.00	0.00
Measles	11.60	10.24	9.23	9.99	1.78
Pneumonia	0.78	1.20	1.37	1.00	0.87
	Rates per 1,000 Live Births.				
Deaths under 1 year of age	53.8	55	61	54	50
Deaths from Diarrhoea and Enteritis under 2 years of age	5.2	4.6	5.9	4.4	5.8
	Rates per 1,000 Total Births (*i.e.*, Live and Still).				
Maternal Mortality : (excluding Abortion)					
Puerperal Infection	0.00	0.52	Not	available.	
Others	1.26	1.64			
Total	1.26	2.16			
Notifications :—					
Puerperal pyrexia	10.5	11.96	13.90	9.73	13.30